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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,250	03/29/2004	Jeffrey W. Chambers	C364.105.101	2755

25281 7590 02/12/2008

DICKE, BILLIG & CZAJA  
FIFTH STREET TOWERS  
100 SOUTH FIFTH STREET, SUITE 2250  
MINNEAPOLIS, MN 55402

EXAMINER
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PELLEGRINO, BRIAN E

ART UNIT	PAPER NUMBER
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3738

MAIL DATE	DELIVERY MODE
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02/12/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/812,250	<b>Applicant(s)</b> CHAMBERS, JEFFREY W.	
	<b>Examiner</b> Brian E. Pellegrino	<b>Art Unit</b> 3738	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 26 November 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 28-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 28-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/26/07 has been entered.

### ***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 28-30,32,34-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saltiel (6458151) in view of Zikorus et al. (2002/68866). Saltiel discloses a method of deploying a stent within a patient adjacent the ostium using a deployment site locator, abstract. Saltiel discloses a distal end of a guide catheter is used to deliver an expandable site locator to a position adjacent the ostium, col. 4, lines 25-33. Saltiel additionally discloses deploying the stent at the desired location once the site locator is expanded and contacts bodily structures immediate the ostium, col. 6 lines 13-16. The stent is then delivered to the desired location at the ostium (col. 6, lines 29-31) and then the site locator is removed from the patient, col. 6, lines 35-40. The use

of "fixed relative to" and "fixed distance" is terminology of relative degree, which has no basis of comparison. For this reason, it is considered broad and relatively unlimited. Thus, since the stent is positioned adjacent to, it at a "fixed position" relative to the site locator. Regarding claim 30, the adjustment of the stent to place it is done by visual indication, col. 2, lines 39-43. With respect to claim 32, Saltiel does disclose if radiopaque techniques are used for deployment, the deployment site locator and stent have radio-opaque markers used, col. 6, lines 24-26. Regarding claim 35, Saltiel additionally discloses a guidewire can be used such that the guide catheter can be delivered over the guidewire, col. 5, lines 37-39,55-59. However, Saltiel fails to disclose deploying a site locator having a plurality of rods to the location to be treated. Zikorus shows the end of a catheter adjacent an ostium of a vessel, Fig. 3 and teaches delivering the catheter as such, abstract, paragraph 10. A deployment site locator **56** is delivered through the catheter and includes a plurality of rods **58**. Zikorus teaches the site locator with the rods provides an alternative means to determine a vessel location without using large ultrasound or other similar imaging equipment, paragraph 8. Zikorus shows (Figs. 6-9,11) a side view of the site locator with a base **106** and how (paragraph 27) the rods expand relative to one another to a maximum dimension. Zikorus et al. also teaches the site locator provides feedback such that a position of the ostium is determined by contacting vessel walls, paragraphs 11,15,29. It would have been obvious to one of ordinary skill in the art to use an alternative site detection means that expands having rods as taught by Zikorus et al. in the method of Saltiel to deliver a stent to a location adjacent the ostium. Regarding claim 36, the stent would be

delivered over the guidewire and through the deployment site locator of Zikorus as seen in Fig. 8. With respect to claim 40, since the rods are designed to deflect outward, it can be construed that they have a spring action. Self-expanding material that display this property is well known in the art.

Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Saltiel (6458151) in view of Zikorus et al. (2002/68866) as applied to claim 30 above, and further in view of Close et al. (6532380). Saltiel as modified by Zikorus et al. is explained above. It is noted that Saltiel discloses visual indication is used to position the stent and that radiographic techniques or modalities are used, col. 6, lines 24-30. However, Saltiel in view of Zikorus do not state that x-ray imaging is used for adjusting the position of the stent. Close et al. teach that x-ray imaging is used in placement of a stent, col. 3, lines 62-67, col. 6, lines 33-36. It would have been obvious to one of ordinary skill in the art to use x-ray imaging as taught by Close et al. in the method of positioning a stent at an ostium disclosed by Saltiel and modified in view of Zikorus et al. such that an accurate placement can be achieved and known by the surgeon by the results given by the x-ray.

Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Saltiel (6458151) in view of Zikorus et al. (2002/68866) as applied to claim 28 above, and further in view of Shakhovich (5749890). Saltiel as modified by Zikorus et al. is explained above. It is noted that Saltiel discloses the aorta may be a location where the positioning of the stent is performed near, col. 1. However, Saltiel in view of Zikorus do not explicitly state the coronary artery and the aorta wall is of the ostium where the

position of the stent is done. Shaknovich teaches that the target vessel to be stented is the coronary artery and the vascular structure proximate the ostium is the aorta wall, col. 6, lines 27-29,41-44. It would have been obvious to one of ordinary skill in the art to surgically implant a stent in the ostium near the aorta wall as taught by Shaknovich using the method of positioning a stent at an ostium disclosed by Saltiel and modified in view of Zikorus et al. such that a lesion in this region is treated.

### ***Response to Arguments***

Applicant's arguments with respect to claim 28 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian E. Pellegrino whose telephone number is 571-272-4756. The examiner can normally be reached on M- F (9-5:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC 3700  
/Brian E Pellegrino/  
Primary Examiner, Art Unit 3738